My fault it's late...

[ANARTS - Australian National Amateur Radio Teletype Society]

This is the Australian National Amateur Radio Teleprinter Society
with our weekly RTTY broadcast.
We transmit on the following frequencies and times :

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  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC     VK2DPM (ALAN)
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY
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INTERNET RADIO-INFO-DIST AT UCSD.EDU

Enquiries to the society should be addressed to the Secretary A.N.A.R.T.S., PO Box 860, Crows Nest, N.S.W. 2065, accompanied by s.a.s.e., or to VK2JPA at VK2WI. if you have any news or information for inclusion in a subsequent broadcast then please send to the Broadcast Officer, PO Box 60 Blacktown 2148 or address to VK2JPA at VK2WI on 144.850 MHz. QSL cards can be obtained by applying to the Broadcast Officer at the above address with station identification, bulletin no., date and the first news item or part thereof. In Australia include s.a.s.e., if overseas include 1 IRC for air mail.

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

A.N.A.R.T.S. News Bulletin 9321 27TH October 1996

COLS COLUMN

IN THE PREVIOUS BROADCAST MENTION WAS MADE OF SOMMERINGS TELEGRAPH AND HIS FRIENDSHIP WITH SCHILLING, A RUSSIAN MILITARY ATTACHE IN BAVARIA. SCHILLING LATER RETURNED TO ST PETERSBURG IN RUSSIA AND CONTINUED HIS EXPERIMENTS, SUCCEEDING IN INTERESTING THE CZAR. AS FAR AS WE KNOW, CREDIT FOR THE CONSTRUCTION OF THE FIRST ELECTROMAGNETIC TELEGRAPH GOES TO SCHILLING. IT IS NOT KNOWN PRECISELY WHEN HE DID SO, BUT IT IS RECORDED THAT THE CZAR SAW A DEMONSTRATION OF IT IN SCHILLINGS ROOMS DURING MARCH 1830. THIS TELEGRAPH UTILISED A DEFLECTED COMPASS NEEDLE IN THE MANNER SUGGESTED BY AMPERE. SCHILLINGS BACKGROUND WAS MILITARY RATHER THAN SCIENTIFIC AND IN SPITE OF HIS INTEREST IN TELEGRAPHS HE MADE NO COMMUNICATIONS WITH THE SCIENTIFIC SOCIETIES OF THE TIME. HE MIGHT HAVE THOUGHT HIS ASSOCIATION WITH SOMMERING WAS SUFFICIENT. THEREFORE THE ONLY WRITTEN TESTIMONY IS THAT OF A MAN NAMED HAMEL A MEMBER OF THE ST. PETERSBURG ACADEMY OF SCIENCES. HAMEL CLAIMED TO KNOWN SCHILLING PERSONALLY.

THE RECEIVING STATION'S INSTRUMENT EMPLOYED A NEEDLE SUSPENDED BY A SILK THREAD ALLOWING THE NEEDLE TO TURN IN A HORIZONTAL PLANE WHEN INFLUENCED BY THE SIGNAL. THE

SIGNAL FLOWED, NOT IN A SINGLE WIRE CLOSE AND PARRALLEL TO THE NEEDLE, BUT IN A LARGE STATIONARY WINDING WHICH SURROUNDED THE NEEDLE. THIS INCREASED THE SENSITIVITY OF THE INDICATOR AND WAS INVENTED BY SCHWEIGGER IN 1820. SCHWEIGGER HAD INTENDED IT BE USED AS A MEASURING DEVICE FOR CURRENT, WHAT IS NOW KNOWN AS AN AMMETER. CHECK YOUR TECHNICAL BOOKS TO SEE HOW THE ''SCHWEIGGER MULTIPLIER'' OPERATES. FOR OUR PURPOSE HERE, IT HAD THE EFFECT OF INCREASING, OR MULTIPLYING A WEAK SIGNAL AND MOVED THE NEEDLE TO A GREATER EXTENT. A LATER DEVELOPMENT OF THE MULTIPLIER WAS THE ''TANGENT GALVANOMETER'', THE FORE-RUNNER OF THE MODERN AMMETER.

A REFINEMENT OF THE MULTIPLIER WAS A MEANS OF 'DAMPING' OR SLOWING DOWN OF THE VIBRATIONS OF THE NEEDLE. IT CONSISTED OF A THIN PLATINA PLATE SUSPENDED FROM THE NEEDLE, DIPPING INTO MERCURY. THIS IS THE FIRST EXAMPLE OF THE USE OF SUCH A ''BRAKE'', THE FORERUNNER OF METERS BEING RENDERED ''DEAT BEAT'' BY SOME SUCH METHOD.

AS MESSAGES WERE SPELT OUT BY RIGHT AND LEFT DEFLECTIONS OF THE NEEDLE, THIS DEADENING OF THE MOVEMENT OF THE NEEDLE SPEEDED UP SIGNALLING GREATLY.

IT SEEMS THERE IS ALWAYS A DOWN SIDE TO SUCH INVENTIONS. IN VIEW OF THE PUBLICITY HE WAS ABLE TO GIVE HIS TELE-GRAPH AND THE STANDING HE ENJOYED IN HIS OWN COUNTRY, IT MAY SEEM SURPRISING THAT RUSSIA WAS ONE OF THE LAST TO USE THE TELEGRAPH. IT IS RECORDED THAT THE CZAR NICHOLAS, SAW IT AS AN INSTRUMENT OF SUBVERSION AND BY A DECREE IT WAS ABSOLUTELY PROHIBITED TO GIVE THE PUBLIC ANY INFORMATION REGARDING THE ELECTRIC TELEGRAPH. THIS PROHIBITION EXTENDED EVEN TO THE TRANSLATIONS OF PRESS REPORTS APPEARING IN EUROPE.

FROM RUSSIA TO ENGLAND AND THE U.S.A. WAS ONLY ONE MORE STEP AND NEXT TIME I HOPE TO BRING YOU 'BARLOWS' EXPERIMENT WITH THE TELEGRAPH. 73S FOR NOW DE COL.

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT

18 OCTOBER - 24 OCTOBER

ISSUED 25 OCTOBER 1996

Date	18	19	20	21	22	23	24
10cm	70	71	71	70	70	68	70
A	25	33	14	8	25	31 (10 estimated)	
T	-4	-23	-38	-12	-13	-37	-15

Solar activity was very low.

The geomagnetic field at Learmonth was unsettled on 18th and 20th October, and unsettled to active 19th and 21st. Active to minor storm levels were present on 22nd and 23rd, reurning to quiet to unsettled on 24th.

Maximum usable frequencies at Sydney were mostly depressed to 30 per cent through to 23rd, and near predicted monthly values on 24th October.

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Solar:        Very low

Geomagnetic:  Quiet to unsettled. Possible active levels on 25
              October.

Frequencies:    Mostly  near  predicted  monthly  values  with
               possible depression up to 30% on 25 October.


Courtesy of the IPS Radio and Space Services

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RTDX1018 RTTY DX
VK2SG RTTY DX NOTES FOR WEEKENDING 18 OCT 96 (BID RTDX1018)

Our information this week came from: DJ3IW and the
Central-Europe DX Cluster node DB0SPC, F6FIO, I5FLN
and the IK5PWJ Packet Cluster, ON6RO, W2JGR and the
NJ0M node the Twin-Cities DX Packet Cluster and
W5KSI. Thank you all for your assistance.

Bandpass
Friday 11
0652-14085  3V8BB QSL W6/G0AZT, PO Box 5194,
                   Richmond, CA 94805 USA
0817-14084  3V8BB
0926-14083  JT1FBB
1026-14083  3V8BB
1140-14083  3V8BB
1208-14083  J28JY  QSL F6BFH
1213-14087  UN5PR
1217-14081  J28JY
1237-14083  GI4SZP
1254-14083  HL1IWC
1314-14084  3V8BB
1354-14084  A41KB QSL ON7LX
1500-14087  9K2HN
1507-14089  HA/W0YR
1548-14083  ED2GFI  QSL EA2CBY
1556-14090  EA8RA
1601-14090  3V8BB
1814-14089  3V8BB
1844-14085  J38TF
1855-14089  J38FR
1911-14083  S51UF
1943-14083  5H3LM
2003-14089  S58AA
2002-14085  3V8BB
2015-14081  LX1TI
2058-14084  ED2FGI
2219-14081  FG5GI

Part 2 of 2

Saturday 12
0930-14084  JT1FBB
1017-14083  3V8BB
1037-14087  DU1SAN
1046-14082  HL1ST
1131-14085  VK3AMK
1159-14088  3V8BB
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1229-14083  WP4Q
1312-14081  OI3LQK
1322-14088  HA/W0YR
1323-14090  GM3UTQ
1326-14081  HG5HRJ
1328-14086  3V8BB
1358-14087  KG4AU
1400-14087  ER3KS
1419-14082  ED2GFI
1428-14085  4X6UO
1446-21080  CE3CWF
1452-14082  HI8WR
1453-14087  IS0YTA
1456-14087  V85GA
1457-21087  9G1UW
1502-14088  HP1EDT
1512-14085  RZ5AO
1601-14095  ZS6EZ
1622-14084  3V8BB
1651-14088  EA9MY
1712-14082  IG9RAI  Lampedusa Island
1742-14082  NP4AT
1743-14083  3V8BB
1805-14084  3V8BB
1814-14081  IS0WWL
1930-14087  EA9JZ
1917-14084  3V8BB
2157-14086  NP4AT
2229-14079  WL7PV

Sunday 13
0907-14086  ZL2JON
0942-14086  3V8BB
1235-14084  PJ2MI
1238-14087  5B4VX
1239-14088  3V8BB
1243-14080  GI0KVQ
1320-14081  A41KB
1325-14085  5B4VX
1341-21086  9G1UW
1452-21084  TY1PS
1455-21084  3V8BB
1458-14089  9K2HN
1505-14086  V85GA
1522-14088  IS0YTA
1516-14085  3V8BB
1534-14082  HG5SRJ  S/E Stn QSL POB 17, Budapest 1456
1537-14082  T9/IO6XY QSL OH3GZT
1640-14083  HK3SGP
1655-14087  LZ1KDP
1706-14090  3V8BB
1720-14084  4L1BR QSL SP7MTL
1728-21090  LU8EKC
1821-14089  YL1XX
2050-14089  YL1XX
2058- 7042  3V8BB
2144-14083  HK3SGP
2241-14081  AL7PW
2344-14082  AZ7FAF

Monday 14
0313- 7085  HK3SGP
0617-14086  SV1NA
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0700-14085  4L1BR
1030-14083  S52LW
1112-14089  DU1SAN
1114-14085  4L1BR
1143-14089  UA2AO
1235-14082  VU2TRI
1254-14085  LY1KAT
1256-14081  ED2GFI
1327-14082  KG4AU
1339-14084  9K2HN
1414-14084  9K2HN
1454-14085  A41KB
1459-14086  V85GA
1705-14089  LZ1MC
1708-14084  ZS6BTE
1717-14078  EA8AU
1809-14082  HK3SGP
1935-14086  OY4TN
1958-14080  3Z6ASO
2223-14084  OA4BR
2232-14083  KG4AU
2346-14081  VR6MW

Tuesday 15
0556-14087  UN7GY
1130-14081  UN5PR
1148-14083  PJ2MI
1234-14084  OK1DAU
1516-14088  ED5ASC
1607-14086  SV1LK
1718-14089  SV1LK
1729-14084  ED2GFI
2000-14086  EA9JZ
2047-14086  XT2DP

Wednesday 16
0042-14083  HI8EL
0928-14088  UN7GY
1052-18101  A92GD
1125-14084  UN9FM
1139-14083  4L1BR
1140-18101  A92GD
1215-14089  UA2AO
1217-14085  YL1XX
1247-14084  4L1DX QSL OZ1HPS
1252-14083  4L1BR
1255-14082  YL1XX
1303-14084  4L1DX
1432-14082  9K2HN
1821-14083  4X6UO
1900-14083  IS0CDO

Thursday 17
1126-14084  9K2HN
1231-14083  4L1BR
1233-14087  UA2AO
1233-14088  YL1XX

NOTES OF INTEREST:

Maldives, 8Q7. EA3BT AND EA3AOK, will be active as 8Q7BT
and 8Q7OK from 23-31 October. RTTY frequencies for U.S.
14085 from 1600-2200z. Asia, 15 meters from 0300-0800z.
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Europe, 15 meters from 1100-1600z.

Myanmar, XZ. Warren, KF7AY has announced that final approval has been received with only a few last minute details remaining. The group of operators 12, will arrive in Yangon 16 November, running a special event station 18 November. 19-22 November, three stations will be on all bands, all modes CW/SSB/RTTY. 23-24 November, active in CQ World Wide CW Contest from zone 26 as multi-entry. Some activity before tearing down 25th.. QSL XZ1N via W1XT direct or bureau.

The VK2SG RTTY DX NOTES are also available on the Internet at reflector digital-dx(AT)st.rim.or.jp . Check also the OH2BUA Webcluster at URL <http://www.clinet.fi/jukka/webcluster.html>.

For next week's bulletin send your bandpass to Jules, W2JGR at W5KSI.(HASHSIGN)NOLA.LA.USA.NA

REMEMBER, DX DON'T SLEEP.
GL DE BOB, WB2CJL at W5KSI.(HASHSIGN)NOLA.LA.USA.NA

>From ARRL Headquarters
Newington CT October 17, 1996
To all radio amateurs

This week's bulletin was made possible with info provided by Tedd, KB8NW, the OPDX Bulletin, DX News Sheet, The 599 DX Report, the Yankee Clipper Contest Club and Contest Corral from QST. Thanks to all.

SWAZILAND, 3DA. It has been reported that two different operations will be active from here on all bands in the CQWW SSB Contest. One group will be active as 3DA0DX as a multi/single entry. Outside the contest, several of the operators will be using various 3DA callsigns. QSL via WJ2O.

UGANDA, 5X. Gus, 5X1D, has left the country as of October 11. QSL via SM0BFJ. Peter, 5X1R, is still active. QSL him via SM4ARJ. 5X4F is back on the air from his QTH in Arua. QSL via his new QSL Manager, K3SW.

WESTERN MALAYSIA, 9M2. Tex, 9M2TO, reports that he built and installed a 80/160 dipole, so begin looking for him on these bands. QSL via JA0DMV through the bureau or direct to Terutsugu Izumo, Bukit Dumbar Apt. 9-4, 97 Jalan Thomas 11700 Gelugor, Penang Island, Malaysia

MALDIVES, 8Q. Josep, EA3BT, and his wife Nuria, EA3AOK, will be active as 8Q7BT and 8Q7OK respectively, October 23 through 31. US stations should look for them on RTTY on 14085 kHz between 1600 and 2000z. Asia on 15 meters between 0300 and 0800z and Europe on 15 meters between 1100 and 1600z.

MOZAMBIQUE, C9. Jon, 3DA0CA, will be active as C91CP starting at 1500Z on October 23 to 0500z on October 28. Activity includes the CQWW SSB Contest. He will be on 160, 40 and 20 meters. QSL via W4DR.

SABLE ISLAND, CY0. WA4DAN, AH9B, VK2BEX, and V73C are planning to

be active from here October 21 to 29. In addition to the DXpedition, they also plan to operate in the CQWW Contest. QSL via WA4DAN CBA.

ANGOLA, D2. Alex, PA3DZN (aka 9X5EE, 9Q2L, etc.), has arrived in Luanda, and has received the callsign D25L. QSL via PA3DMH.

GRENADA, J3. A group from the Yankee Clipper Contest Club, YCCC, will be active from here on November 16 to 26. Operators are WA1S as J38AA, K1XM as J38AB, W1FJ as J38AC, KM1P as J38AD, KQ1F as J38AE and K2WR as J38AF. Contest callsign unknown at this time. The backup callsign may be J38AA. QSL each operator via homecall. All contest QSLs via KQ1F.

NEPAL, 9N. Jack, W4OSN will be QRV as 9N1OSN from Kathmandu on 80 through 15 meters from October 14 to November 28. He will be using a solar powered Ten-Tec Scout.

TUVALU, T2. Ron, ZL1AMO, is now signing T28RW. Ron hopes to work 160 or 80 meters.

MYANMAR, XZ. The XZ1N DXpedition to Myanmar remains on course. Final approval have been received and all but last minute details remain to be worked out. This will be a large scale operation, with a chance for everyone to have this location in some new and exciting ways. Look for XZ1N to be multi-multi in the CQWW CW Contest. The team departs for Bangkok on November 26.

QSL NEWS AND INFORMATION

Dragan, ET3YU, reports his mission in Ethiopia is about done and that a new QSL route will be used instead of the one in Addis Ababa. Cards for ET3YU should now be sent to Dragan Stojanovic, Dusana Vukasovica 82/20, 11070 Novi Beograd, Yugoslavia.

F5NZO reports he has received the logs from FT5XL for QSOs made between February 13 and September 1 . He will reply to all direct requests as soon as possible.

THIS WEEKEND ON THE RADIO.

The Jamboree On The Air, JOTA, QRP ARCI Fall QSO Party, and RSGB 21/28 MHz CW Contest are all scheduled for this weekend. See October QST page 101 for details.

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VKWI2, or the Secretary (Pat) VK2JPA at VK2WI.

Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

73s De Col VK2CTD Acting Broadcast Officer

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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99